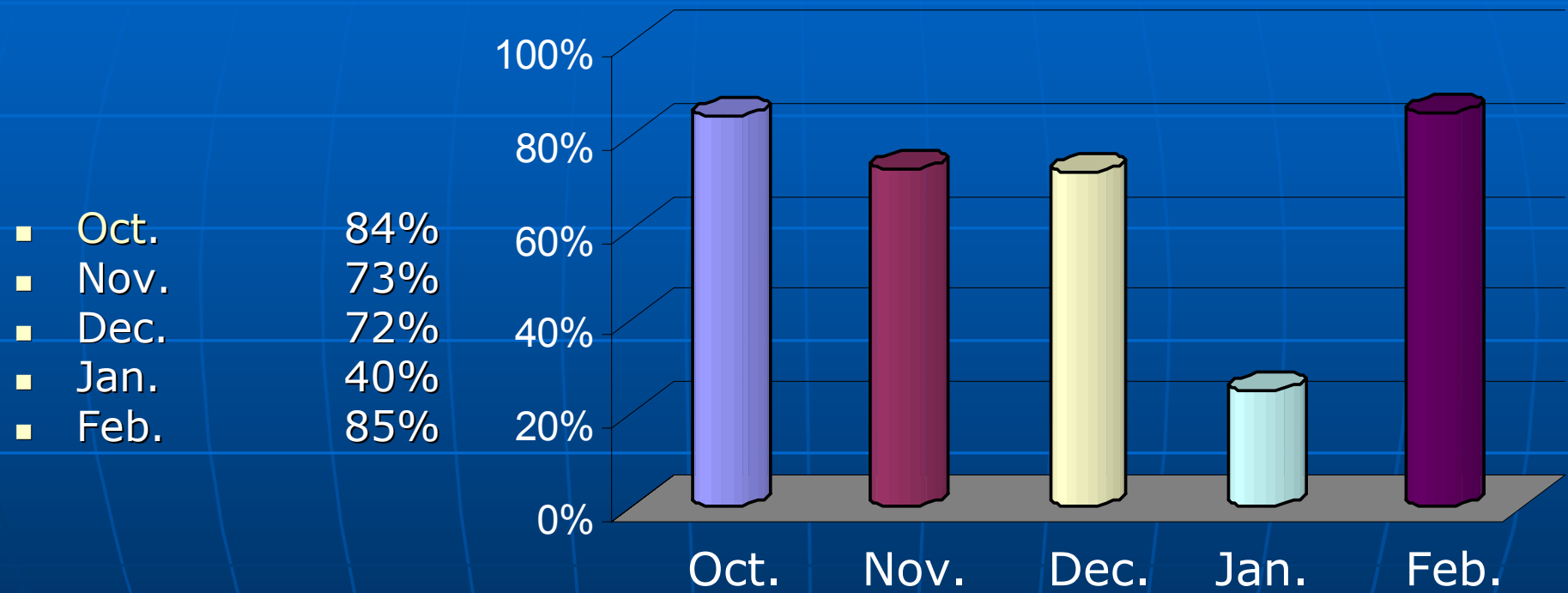


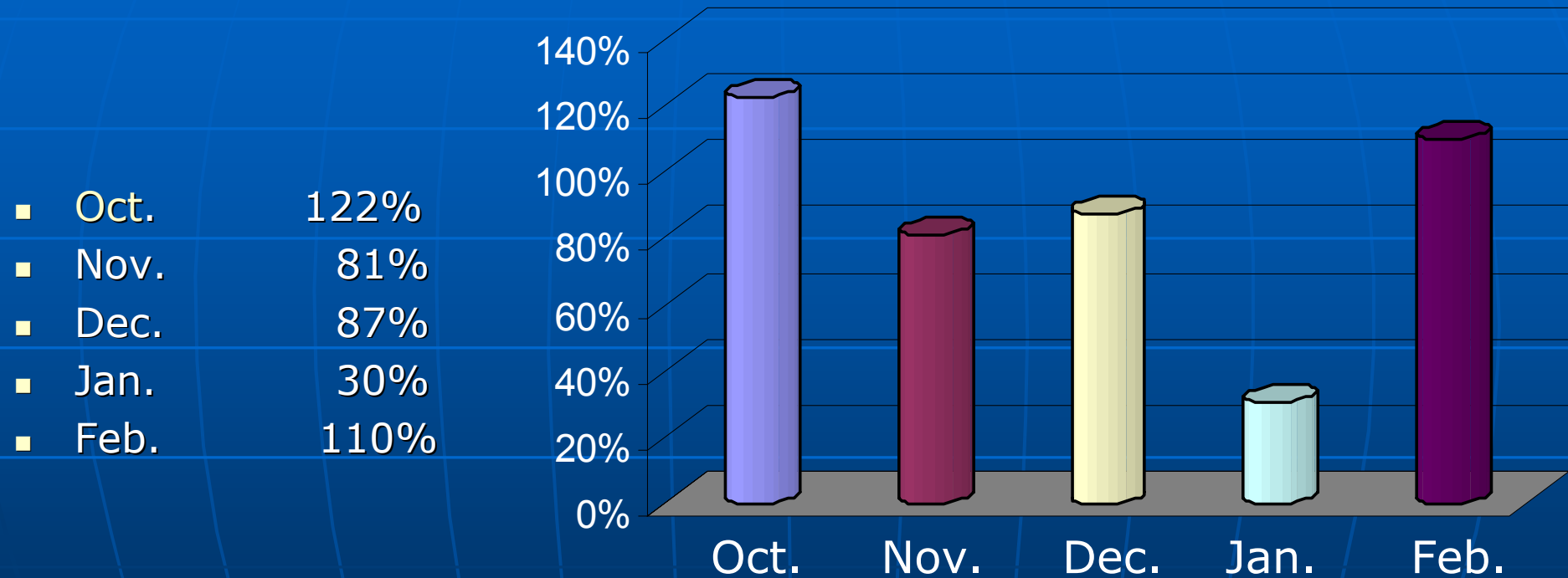
# Hydrologic Outlook

Brian McInerney  
Hydrologist  
National Weather Service  
March 2003

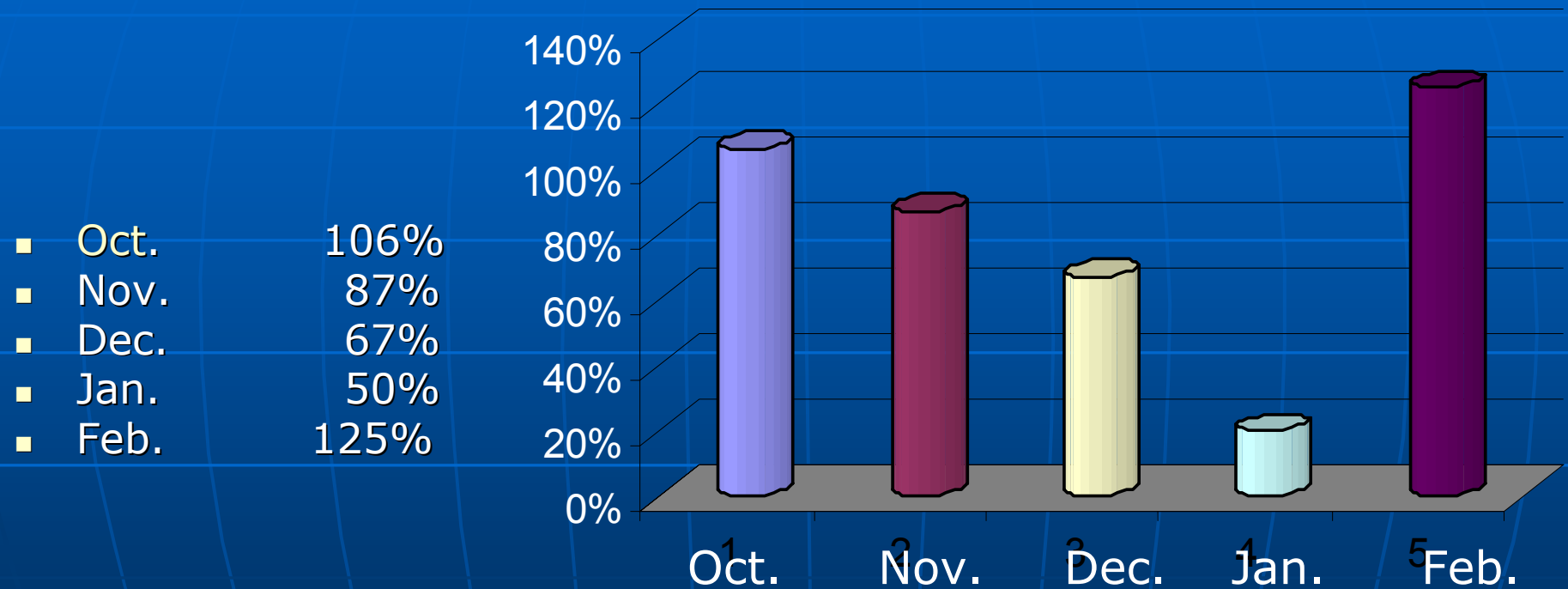
# Great Basin Precipitation



# Sevier River Basin Precipitation

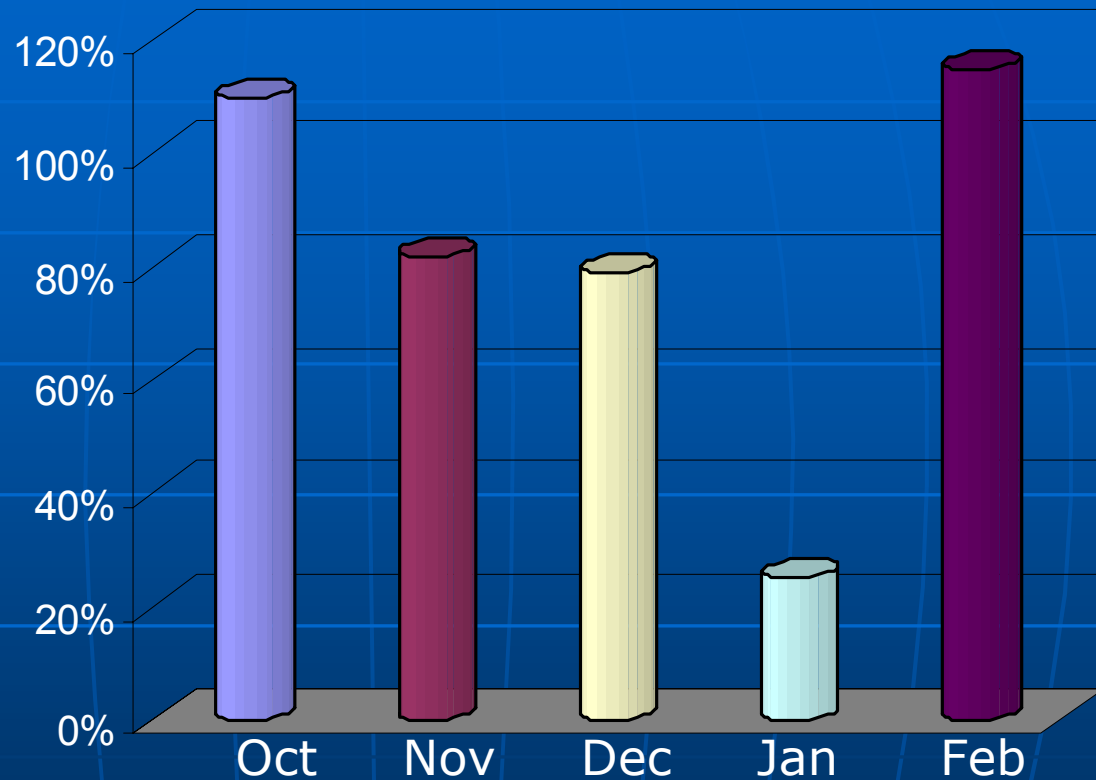


# Green River Basin Precipitation



# Virgin River Basin Precipitation

■	Oct.	110%
■	Nov.	82%
■	Dec.	79%
■	Jan.	25%
■	Feb.	115%

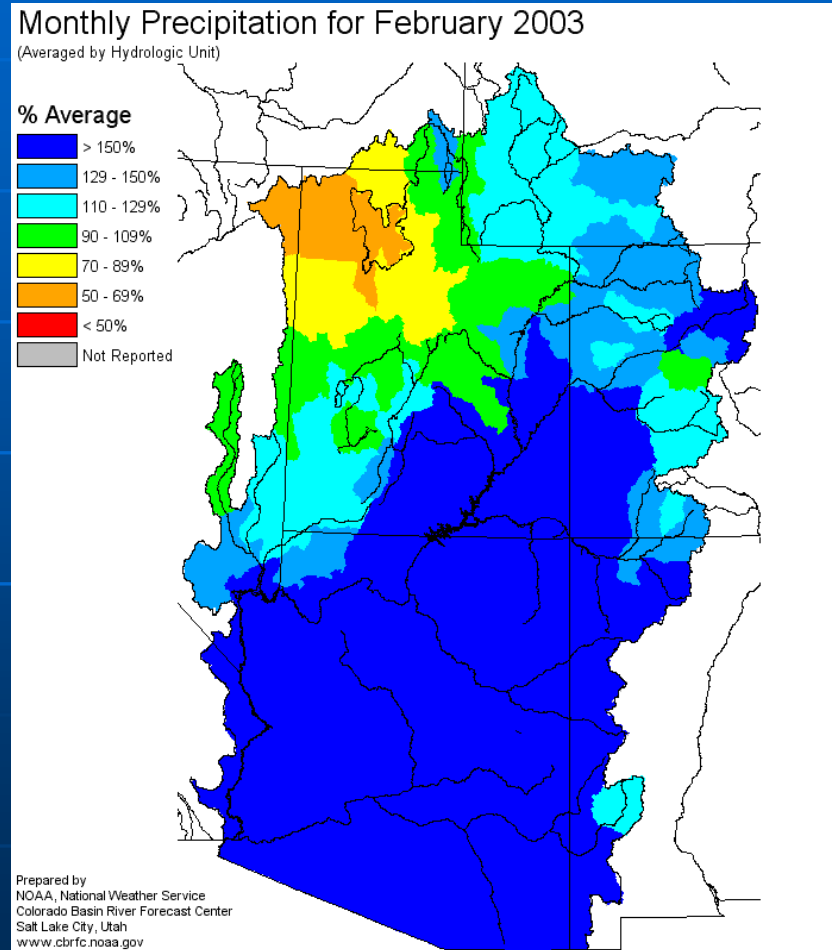


# Graphical Precipitation Map

## February 2003

### Utah and Surrounding Area

- Southeast Utah received greater than 150% of normal
- Wasatch Front received 70-89% of normal
- A nice rebound from the dry January climate for part of the state

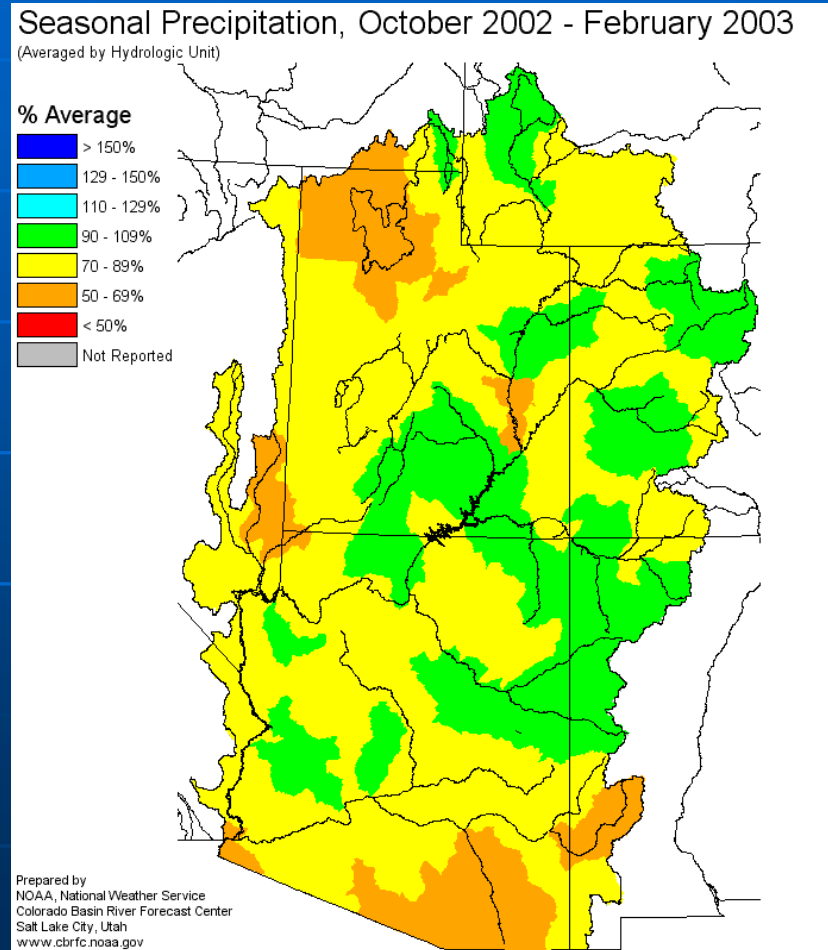


# Graphical Precipitation Map

## October through February

### Utah and Surrounding Area

- Normal amounts in south central Utah
- Most of the state ranging in the 70-89% of normal range
- February was a great help, but we need above normal amounts during this time



# Graphical Precipitation Map

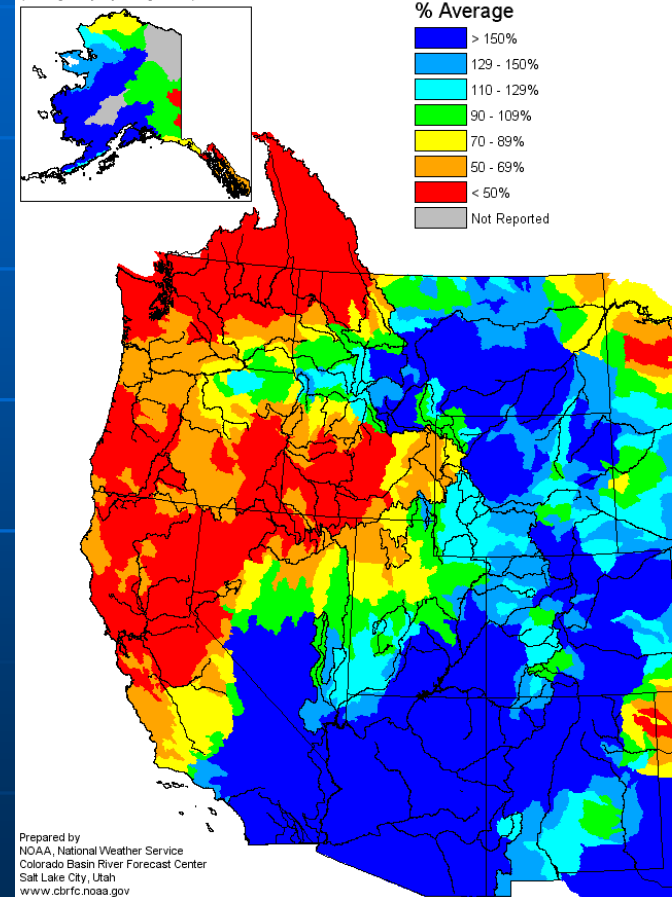
## February 2003

### Western U.S.

- Southeast Utah, Southern Nevada, Arizona, Western Colorado, and parts of Wyoming and Montana received the most precip in the area
- Jet Stream and storm track split for most of the month bringing storms to the south and then sweeping around to the east

Monthly Precipitation for February 2003

(Averaged by Hydrologic Unit)



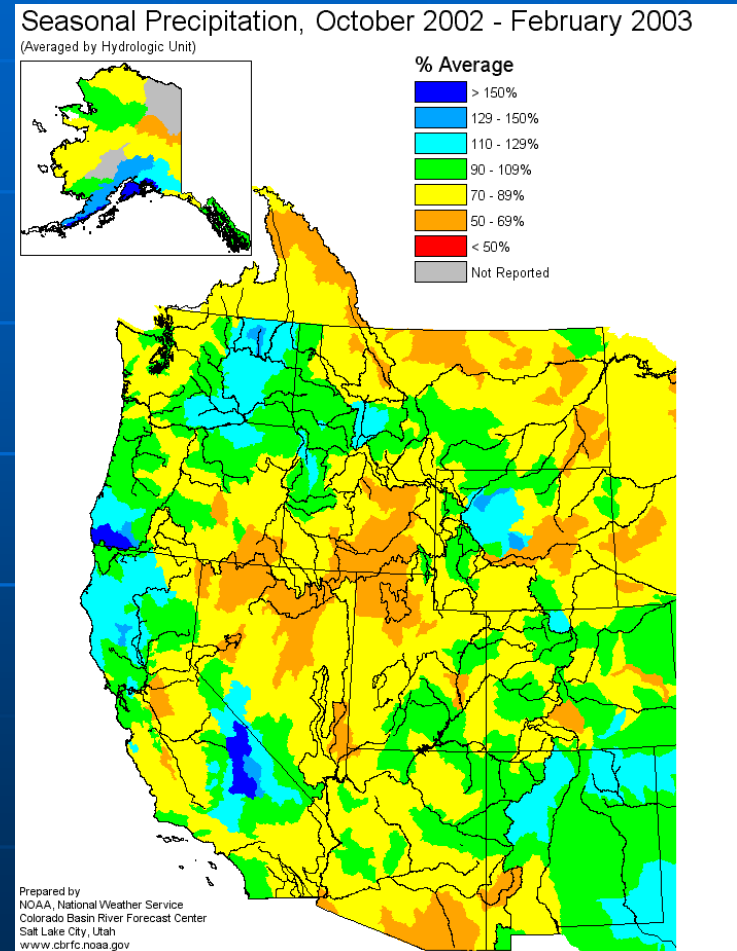


# Graphical Precipitation Map

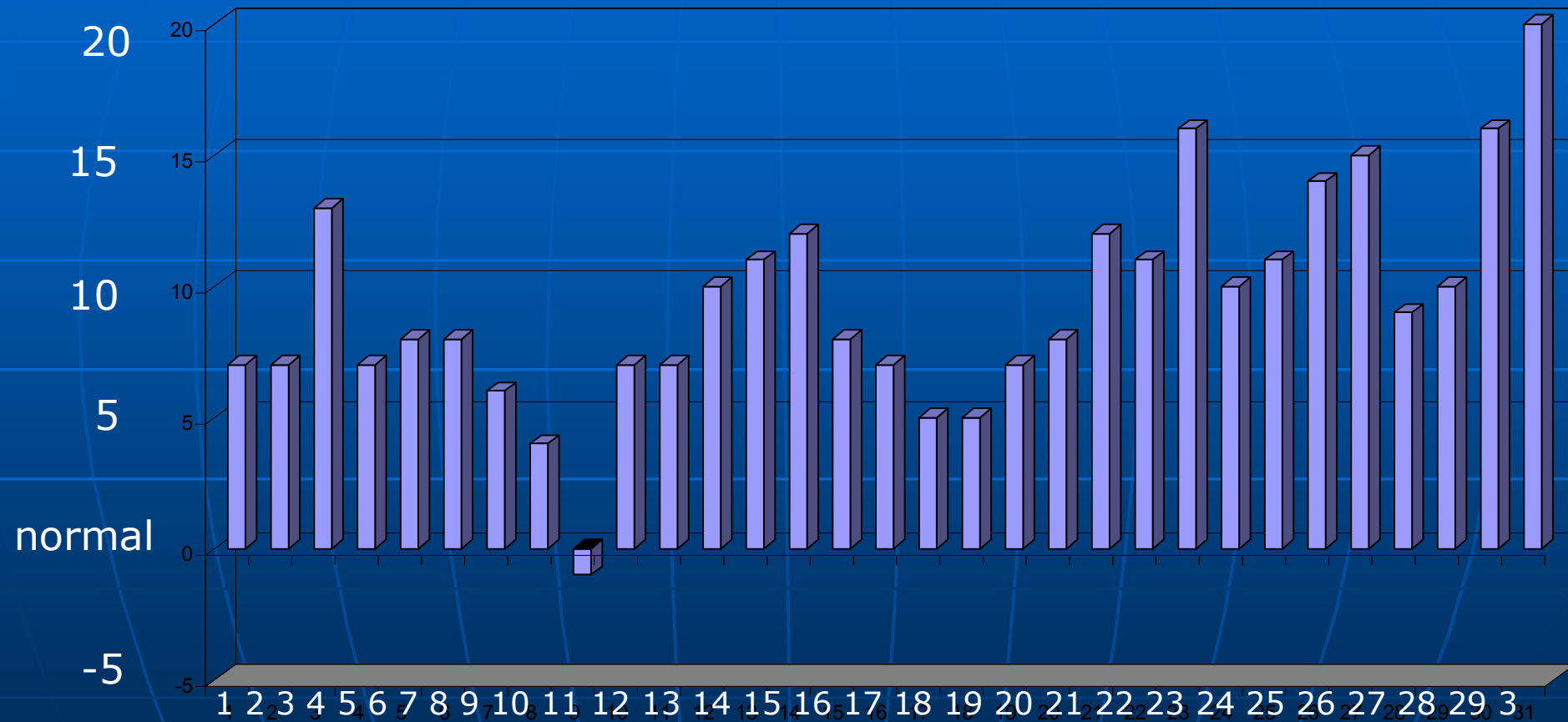
## October through February

### Western U.S.

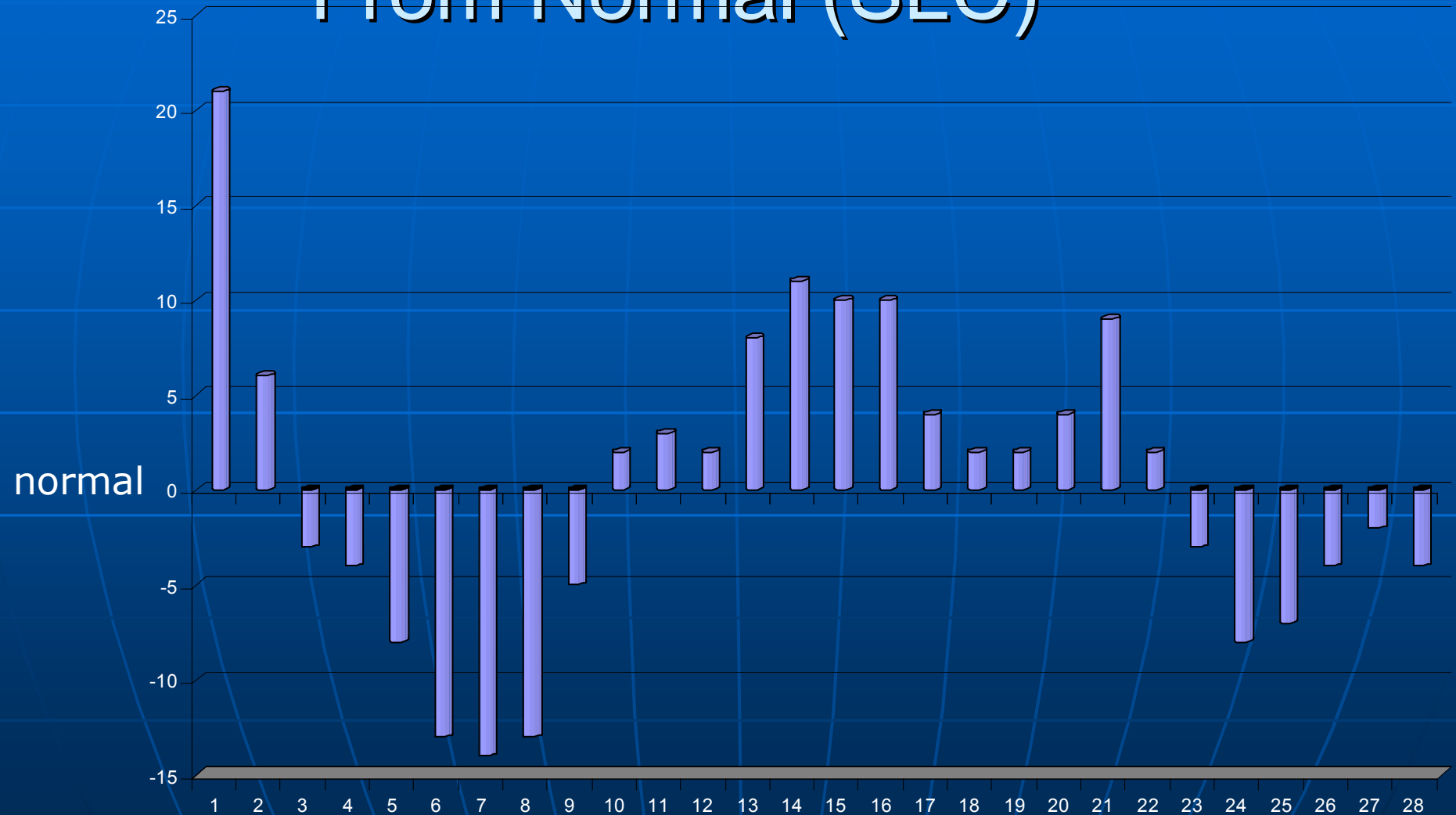
- Seasonal precipitation amounts were greater in areas surrounding Utah
- Most of the west recorded below average amounts



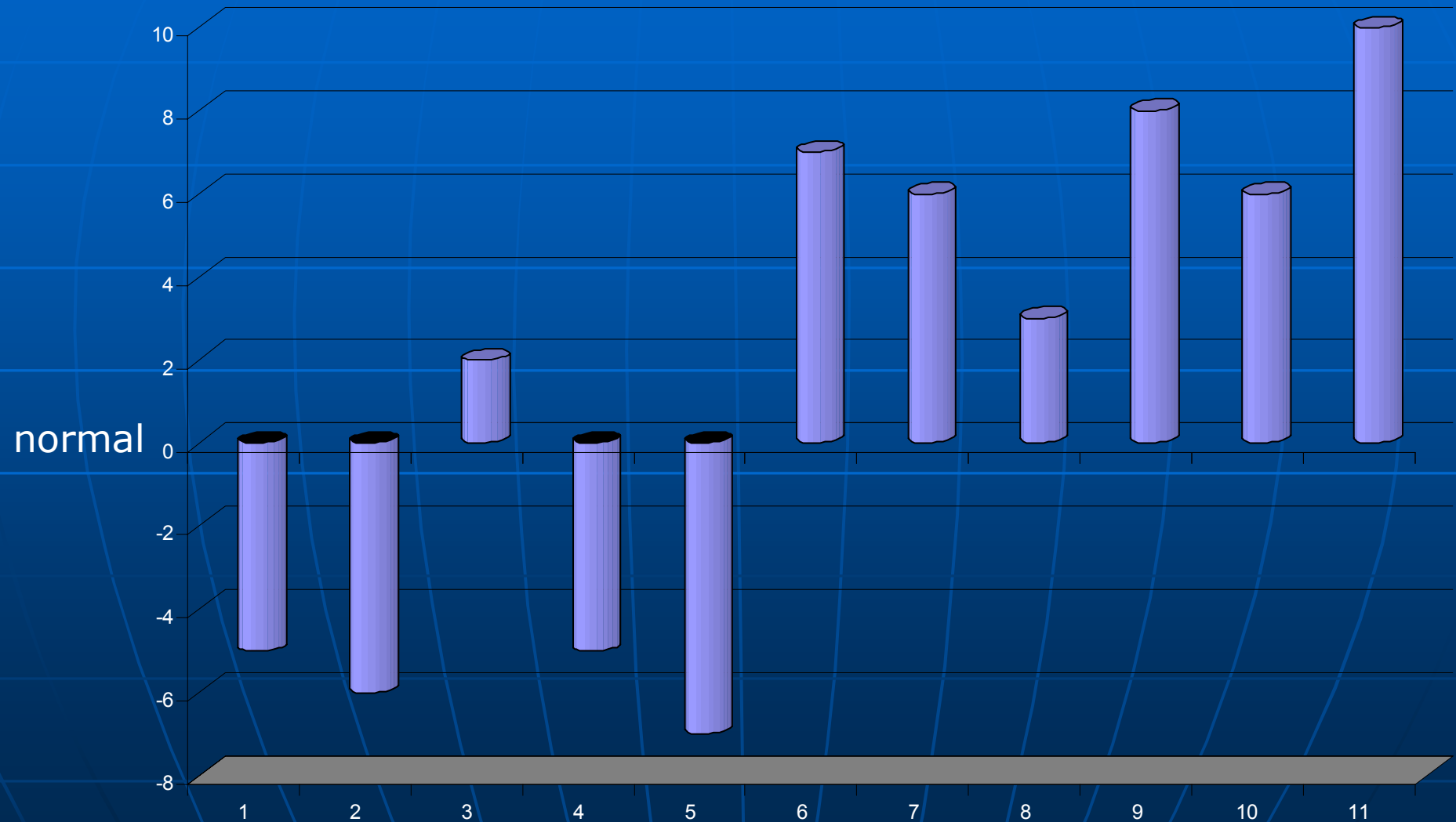
# January Temperature Departure From Normal (SLC)



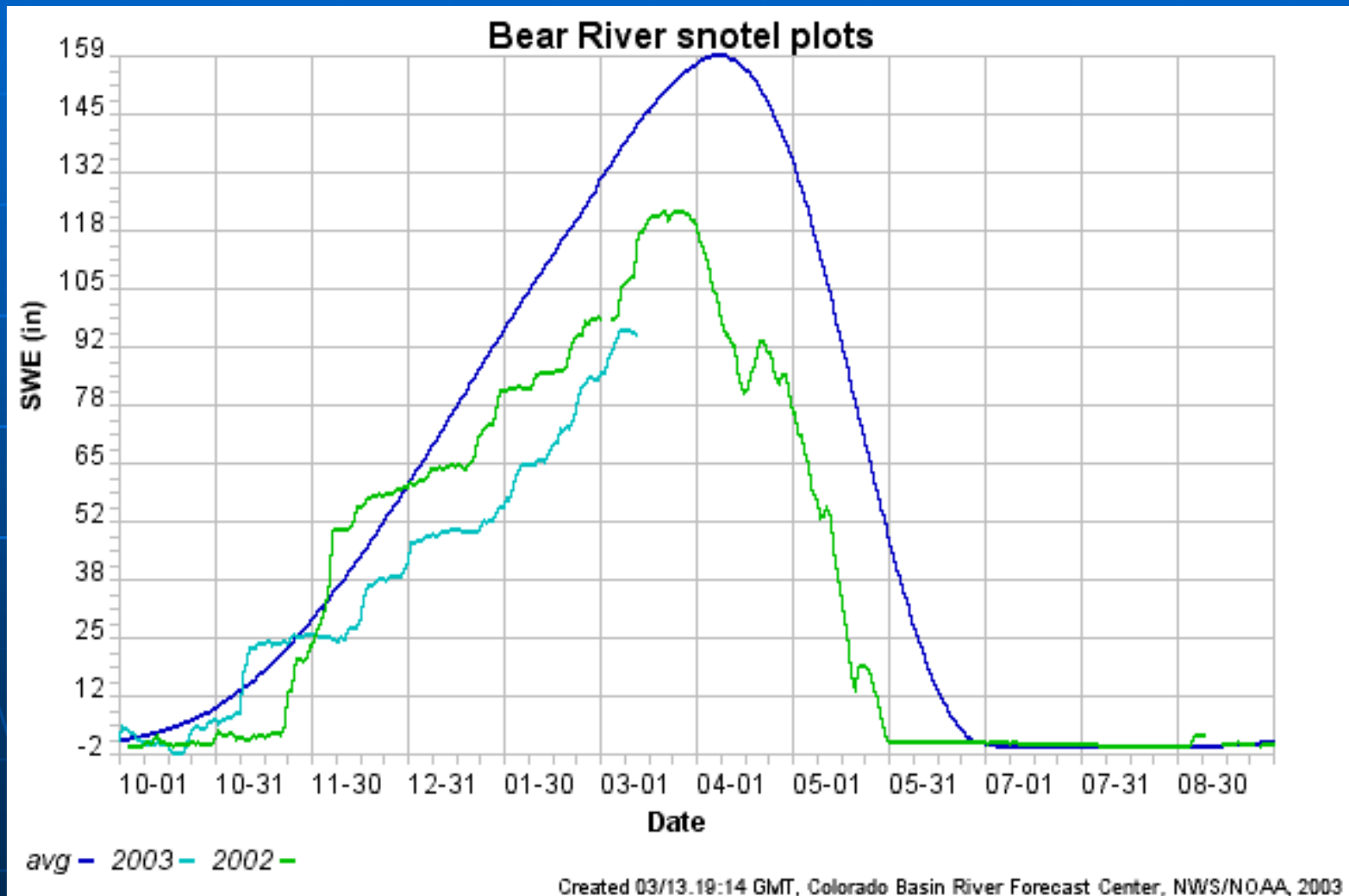
# February Temperature Departure From Normal (SLC)



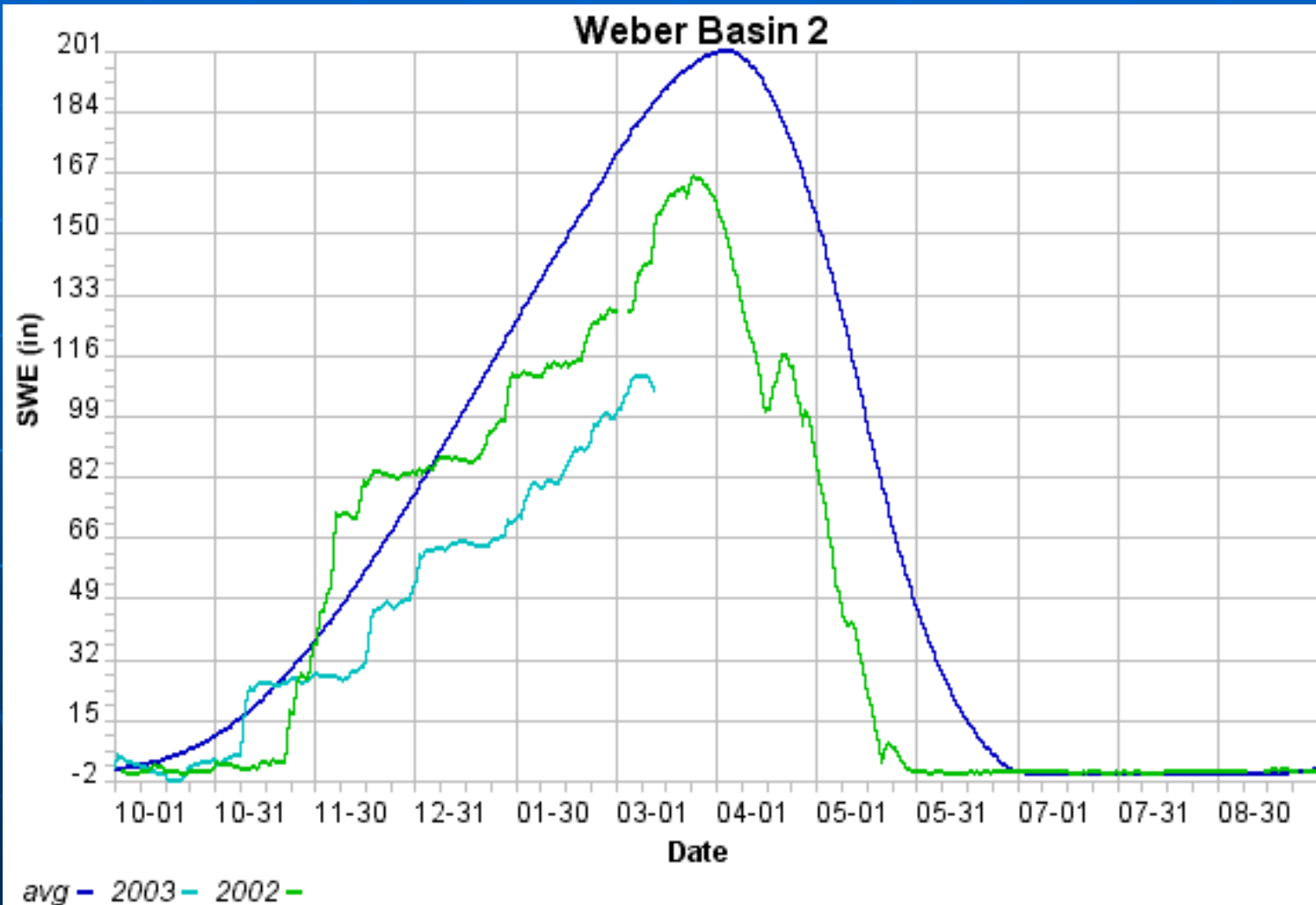
# March Temperature Departure From Normal (SLC)



# Bear River Basin Snow

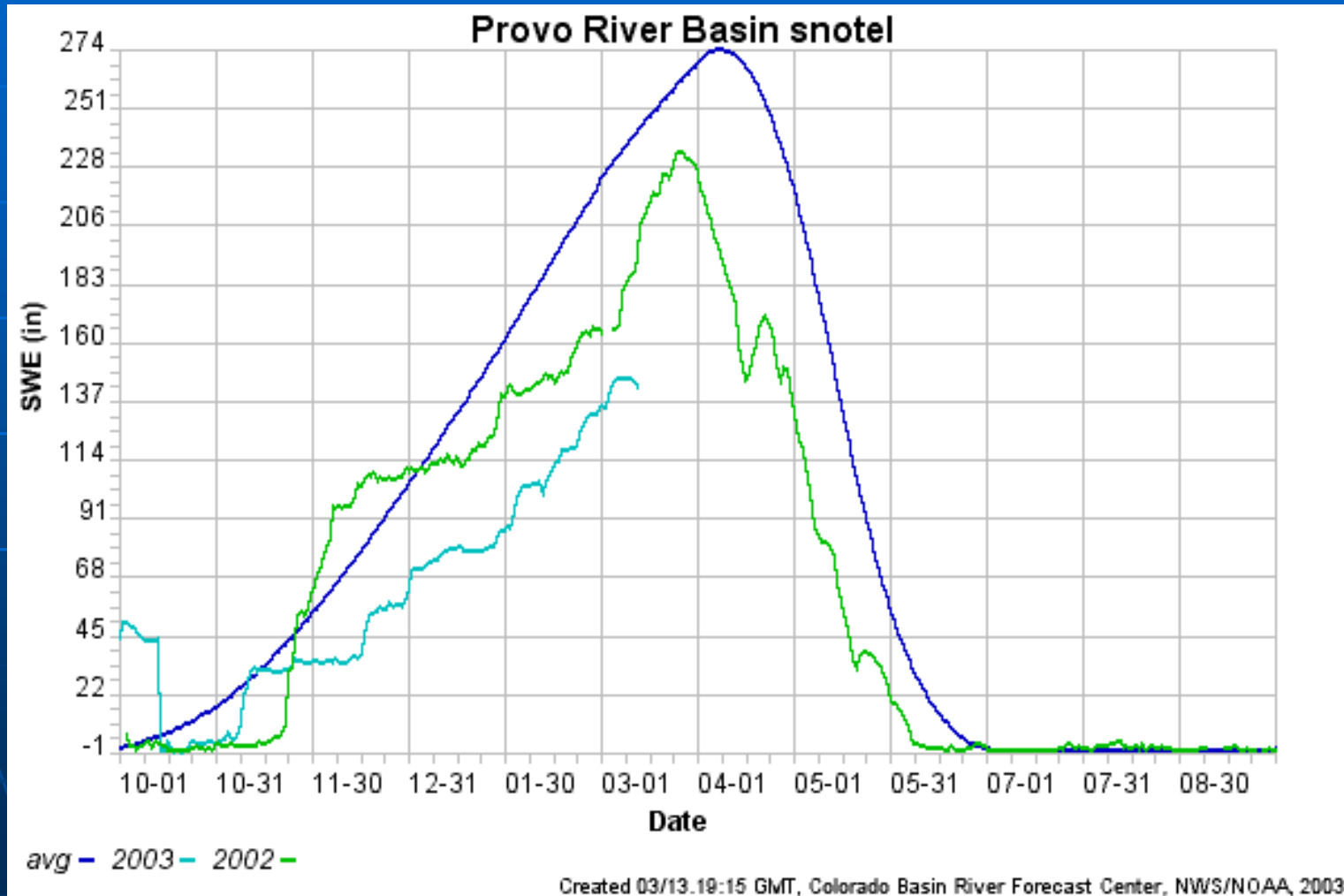


# Weber River Basin Snow

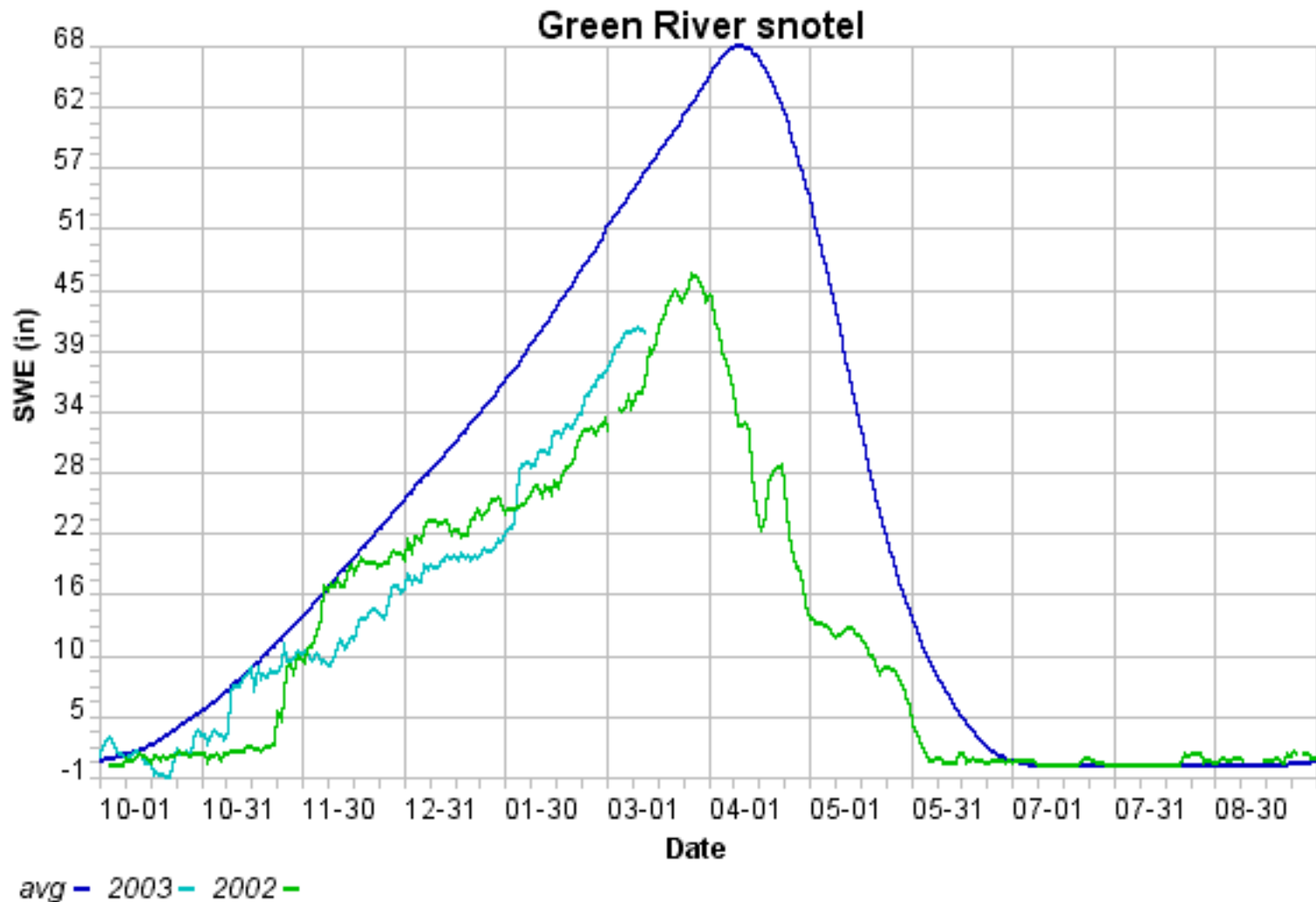


Created 03/13.19:12 GMT, Colorado Basin River Forecast Center, NWS/NOAA, 2003

# Provo River Basin Snow



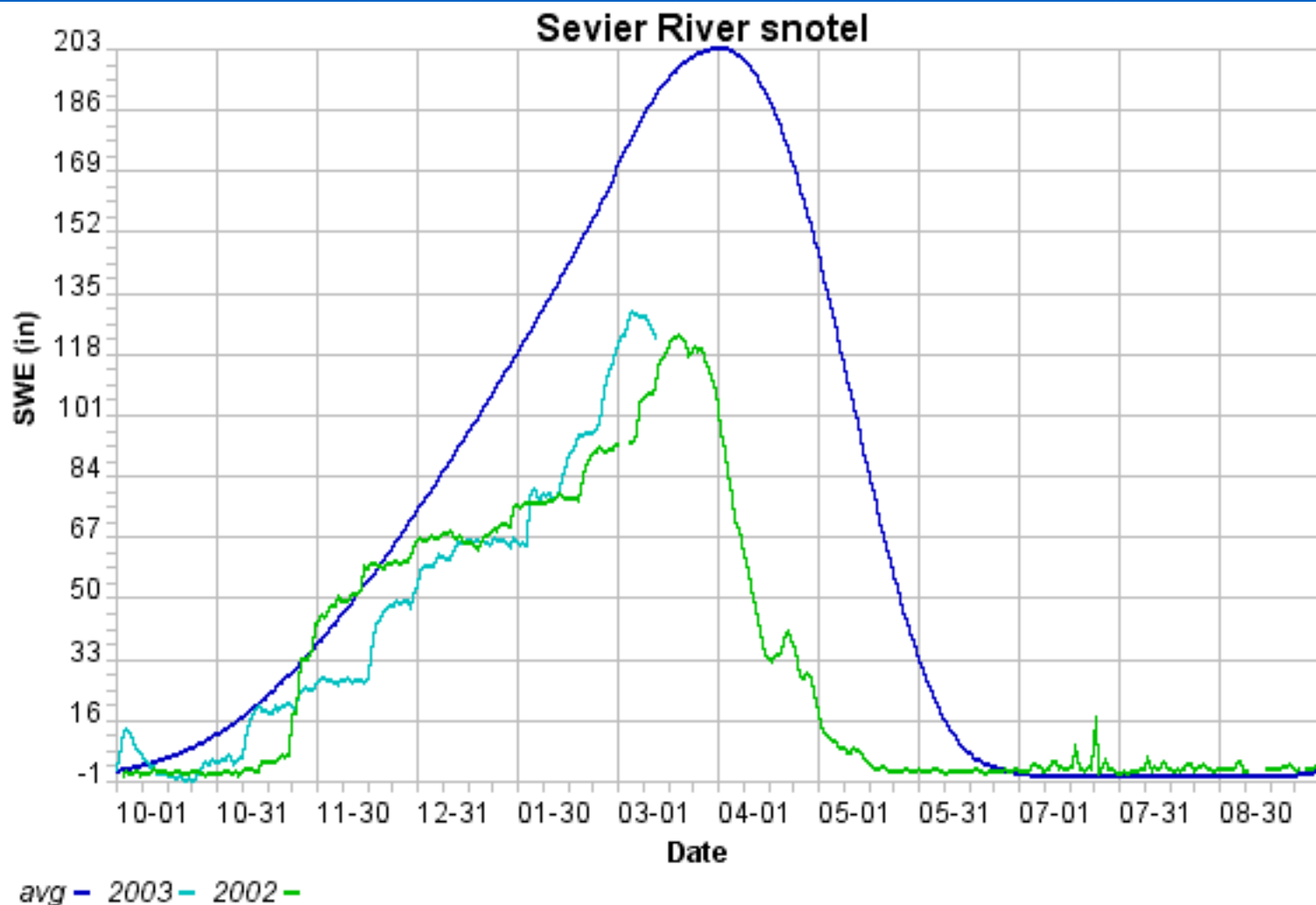
# Green River Basin Snow



Created 03/13.19:16 GMT, Colorado Basin River Forecast Center, NWS/NOAA, 2003

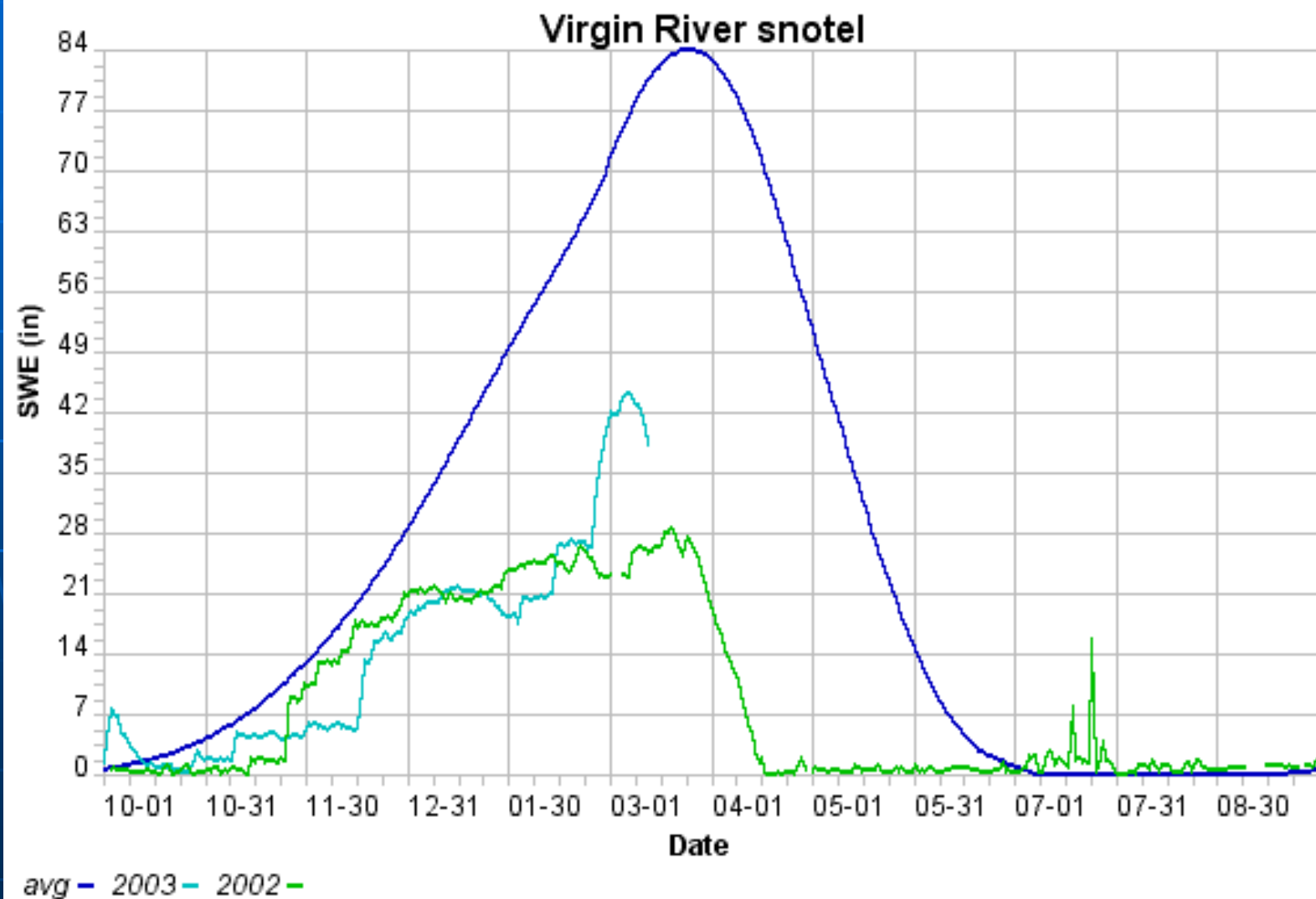


# Sevier River Basin Snow



Created 03/13.19:17 GMT, Colorado Basin River Forecast Center, NWS/NOAA, 2003

# Virgin River Basin Snow



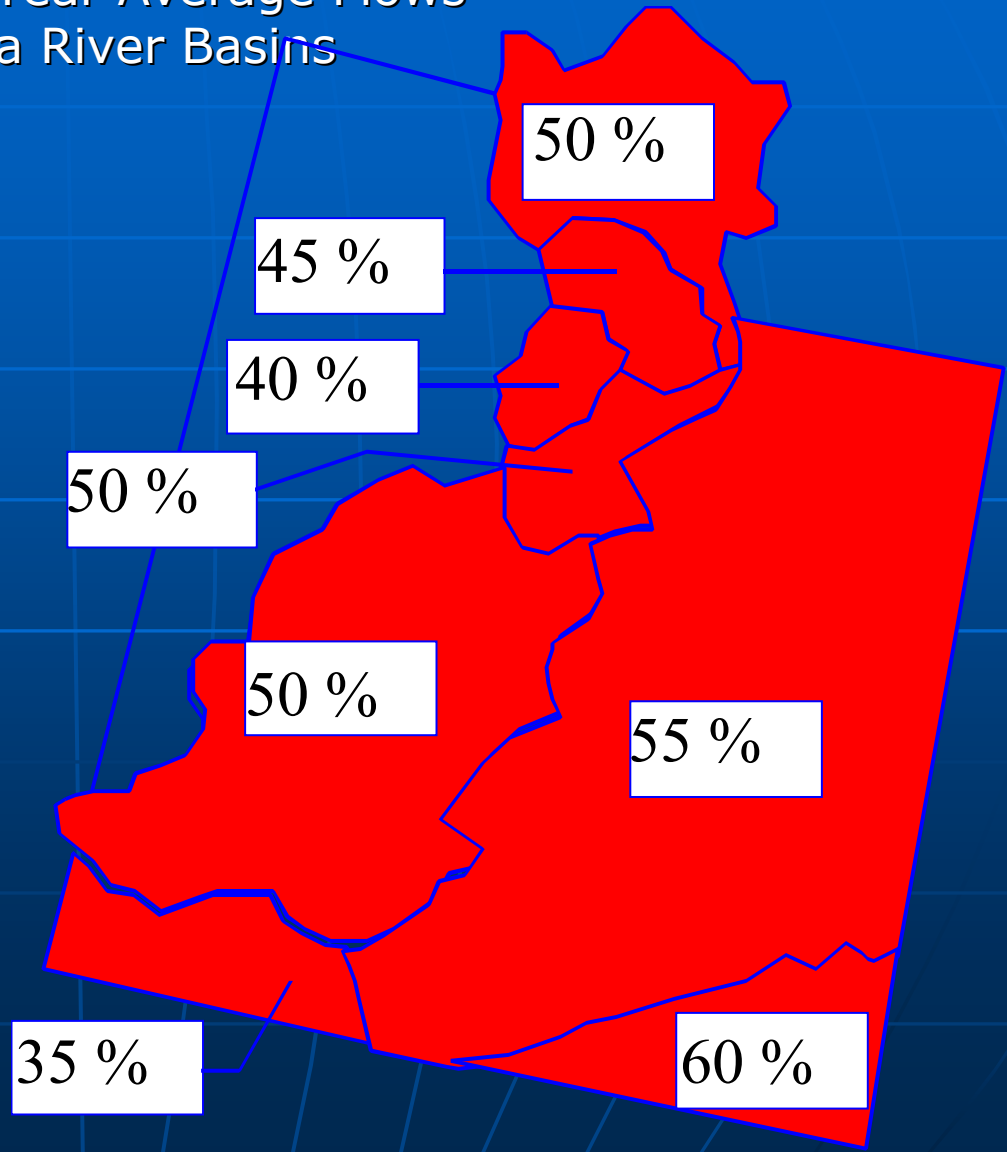
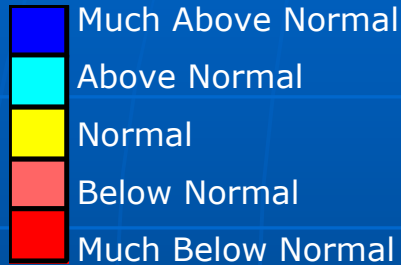
# Forecasted Utah Spring Snowmelt Runoff Volume

March 1<sup>st</sup> 2003

April Through July Volume Forecast

Percent of 30 Year Average Flows

Utah Area River Basins



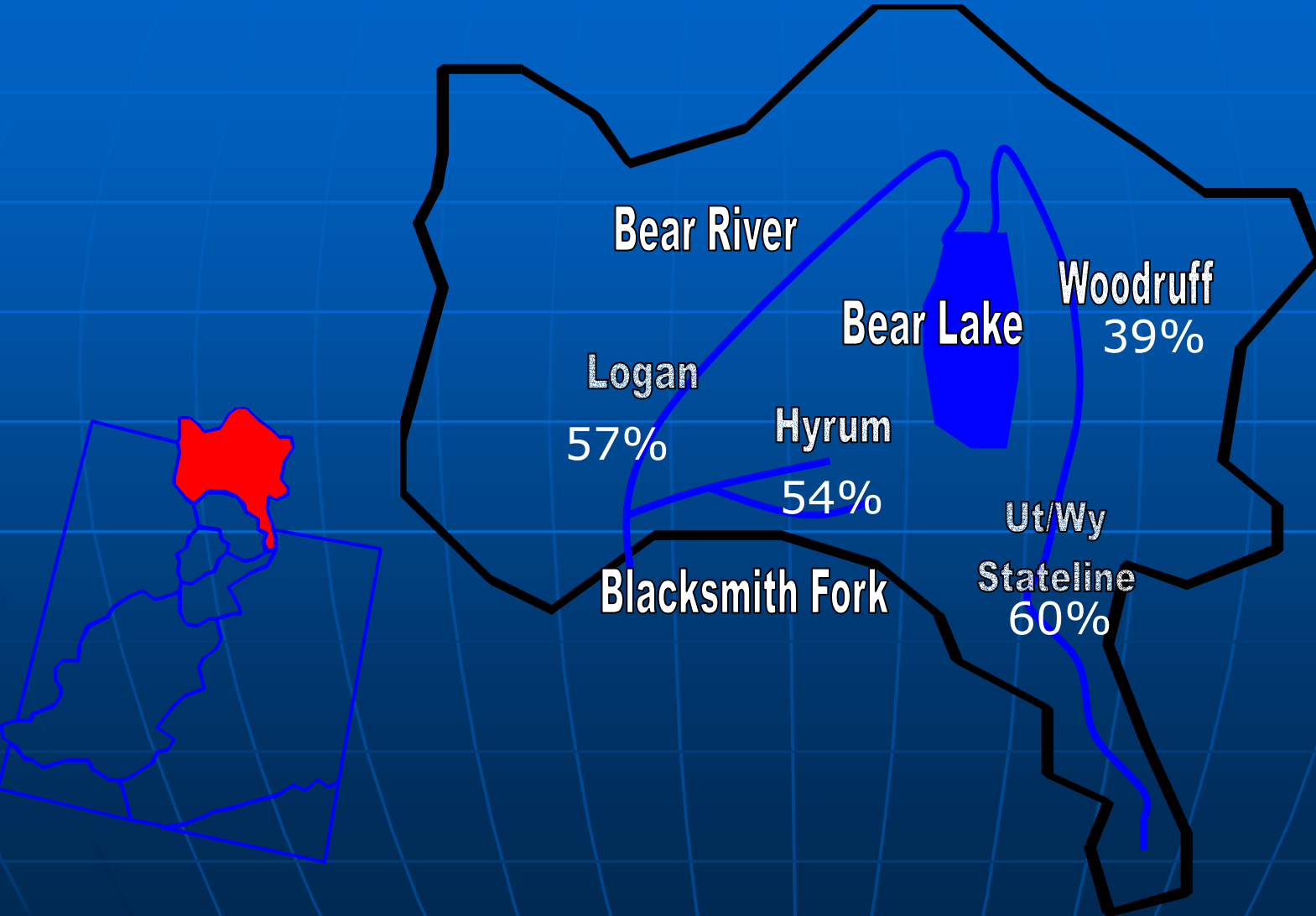
# Forecasted Utah Spring Snowmelt Runoff Volume

March 1<sup>st</sup> 2003

April Through July Volume Forecast

Percent of 30 Year Average Flows

Bear River Basin



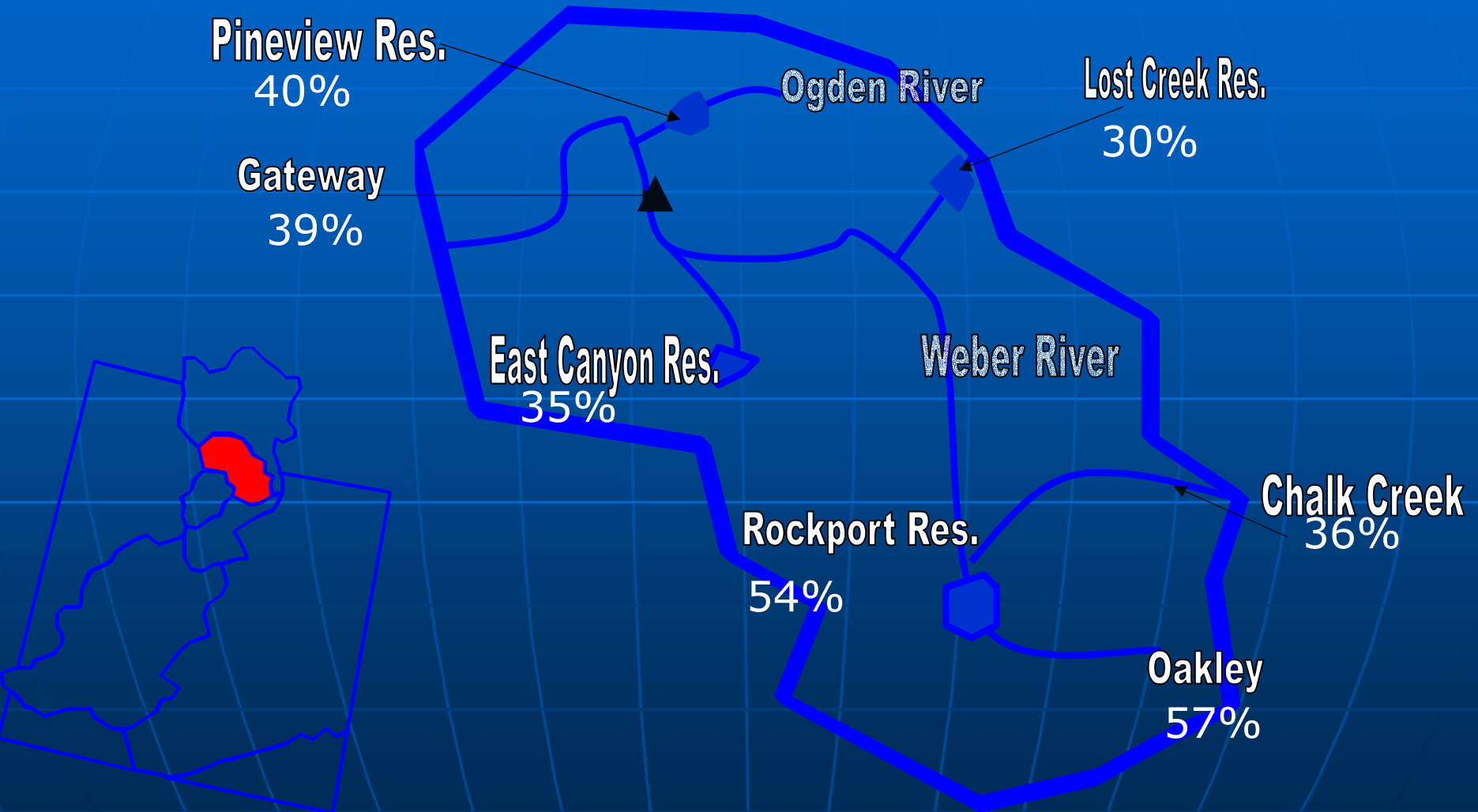
# Forecasted Utah Spring Snowmelt Runoff Volume

March 1<sup>st</sup> 2003

April Through July Volume Forecast

Percent of 30 Year Average Flows

Weber River Basin



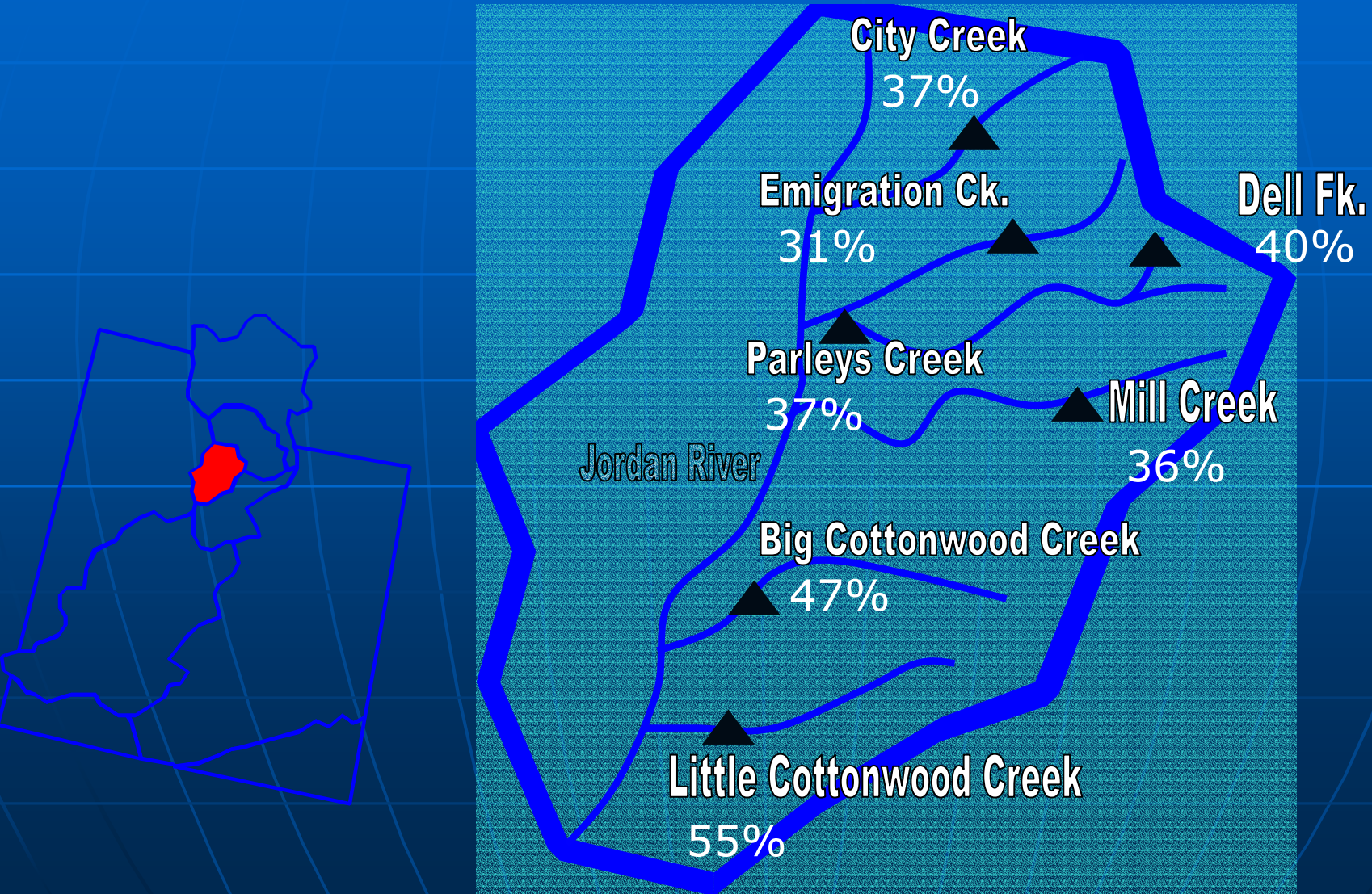
# Forecasted Utah Spring Snowmelt Runoff Volume

March 1<sup>st</sup> 2003

April Through July Volume Forecast

Percent of 30 Year Average Flows

Six Creeks River Basin



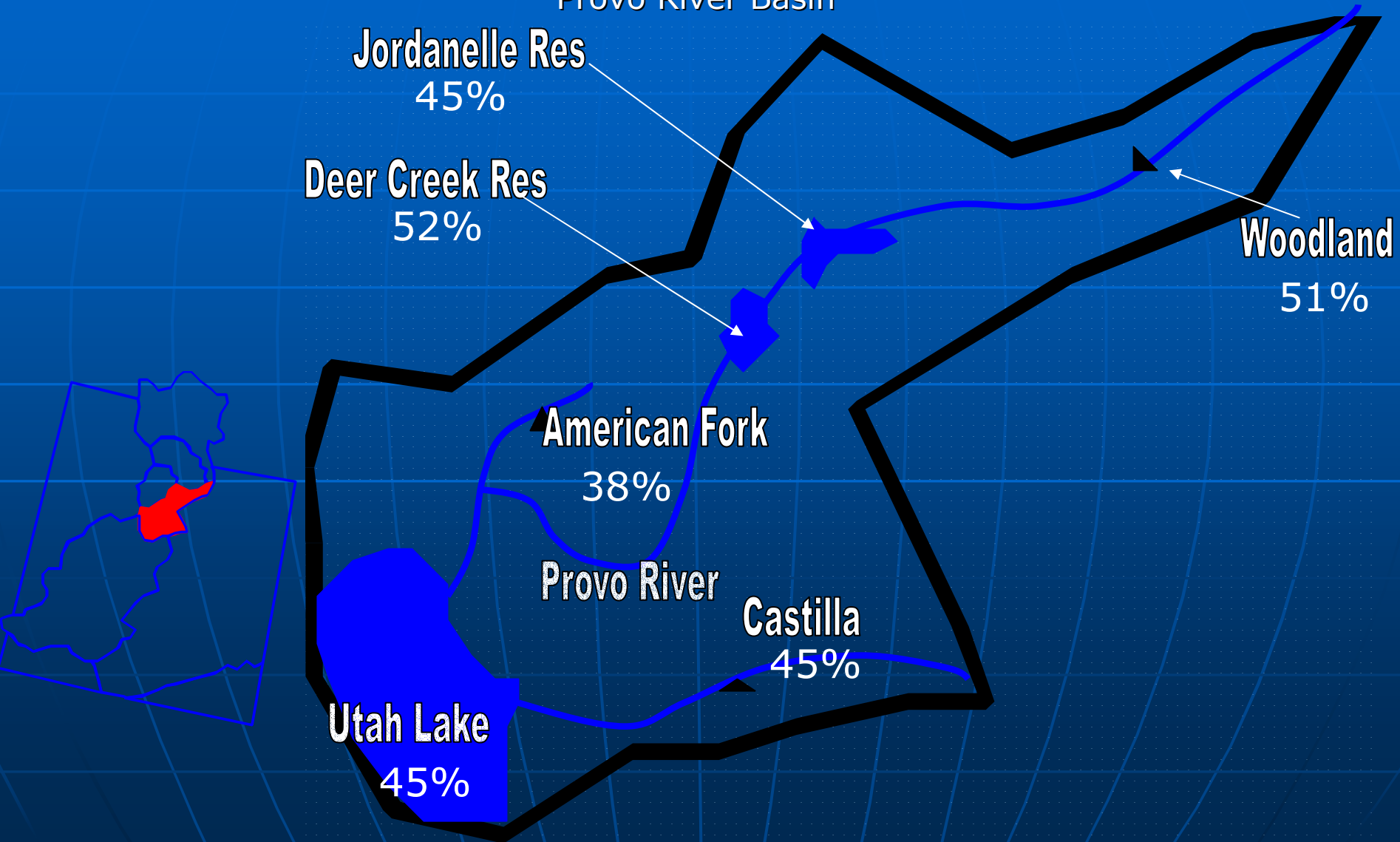
# Forecasted Utah Spring Snowmelt Runoff Volume

March 1<sup>st</sup> 2003

April Through July Volume Forecast

Percent of 30 Year Average Flows

Provo River Basin



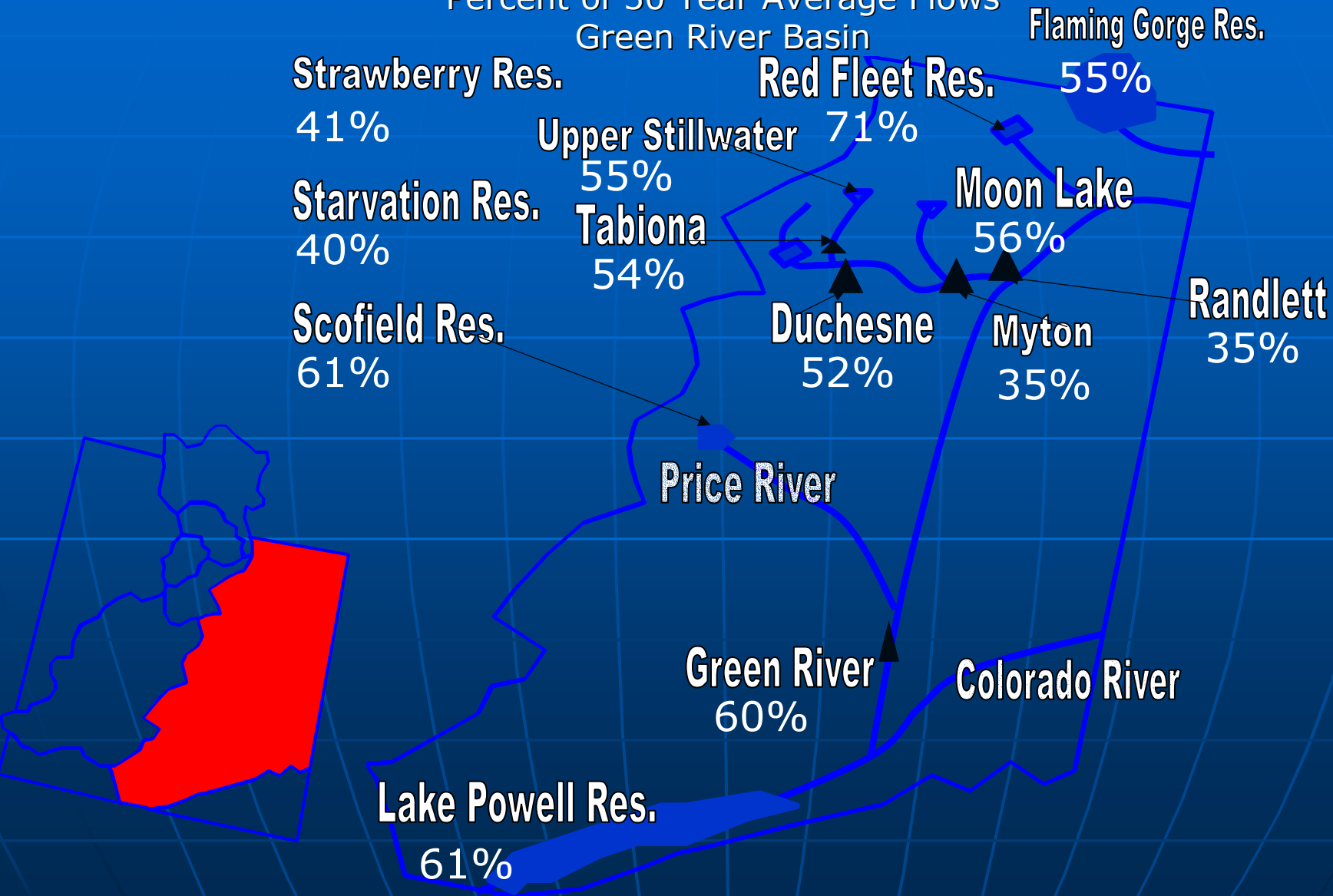
# Forecasted Utah Spring Snowmelt Runoff Volume

March 1<sup>st</sup> 2003

April Through July Volume Forecast

Percent of 30 Year Average Flows

Green River Basin





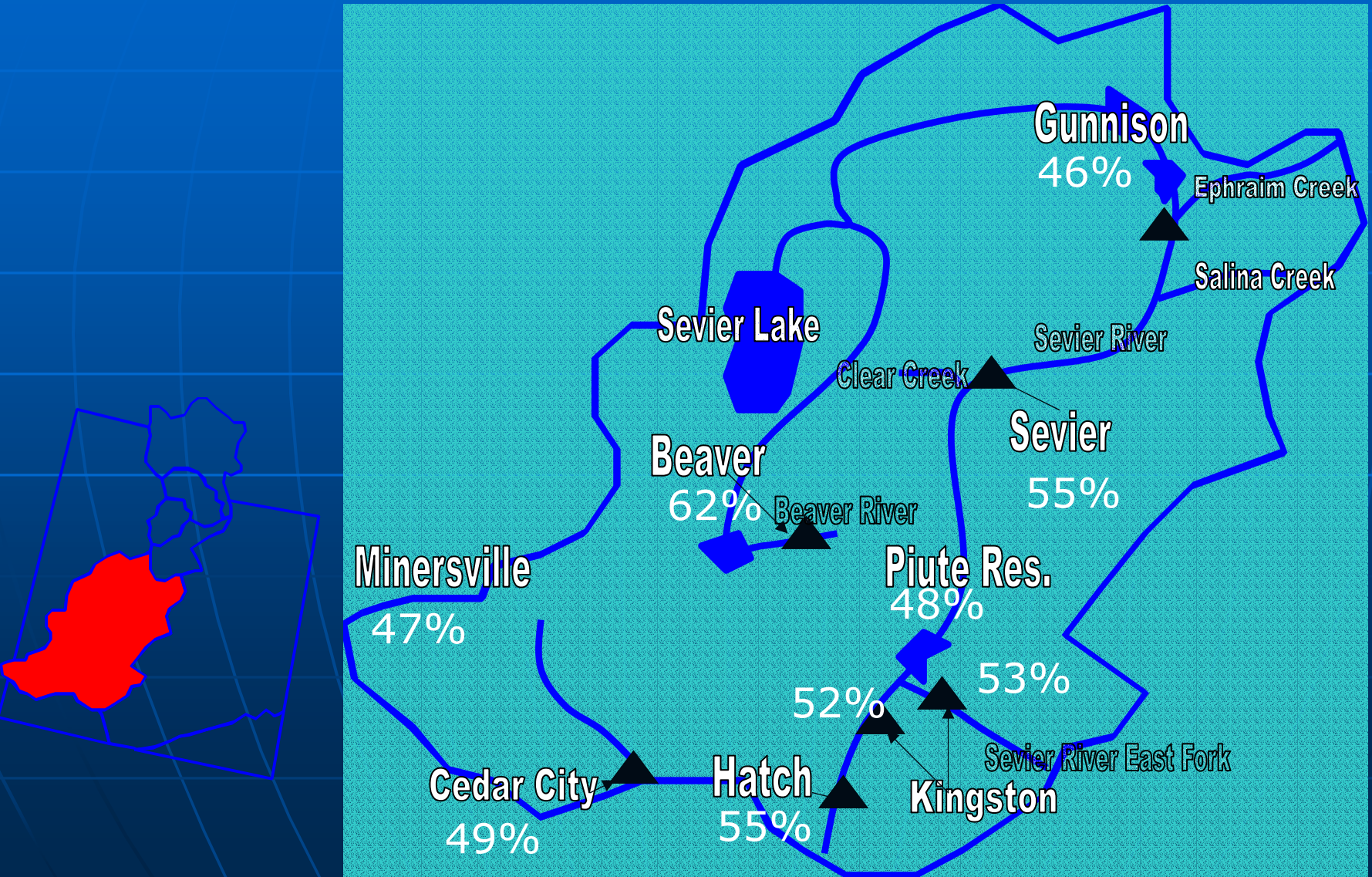
# Forecasted Utah Spring Snowmelt Runoff Volume

March 1<sup>st</sup> 2003

April Through July Volume Forecast

Percent of 30 Year Average Flows

Sevier River Basin



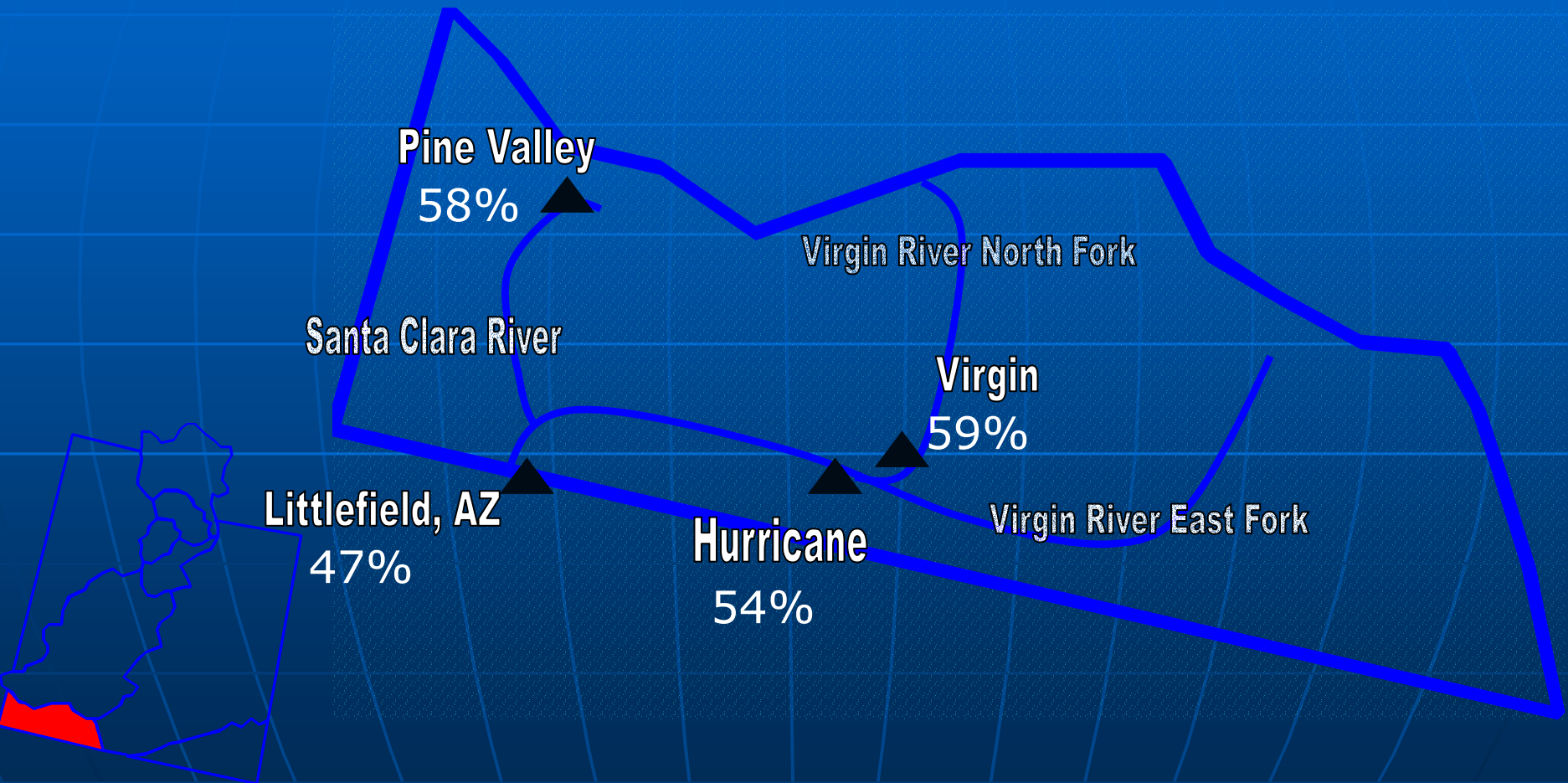
# Forecasted Utah Spring Snowmelt Runoff Volume

March 1<sup>st</sup> 2003

April Through July Volume Forecast

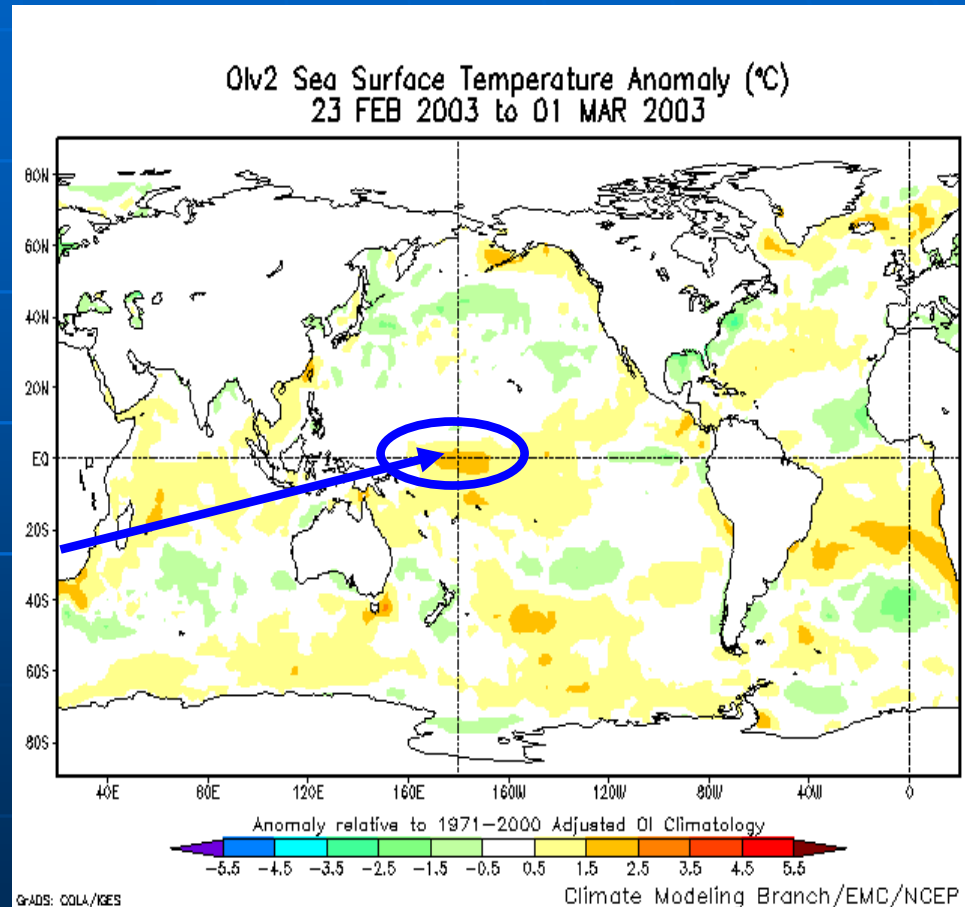
Percent of 30 Year Average Flows

Virgin River Basin



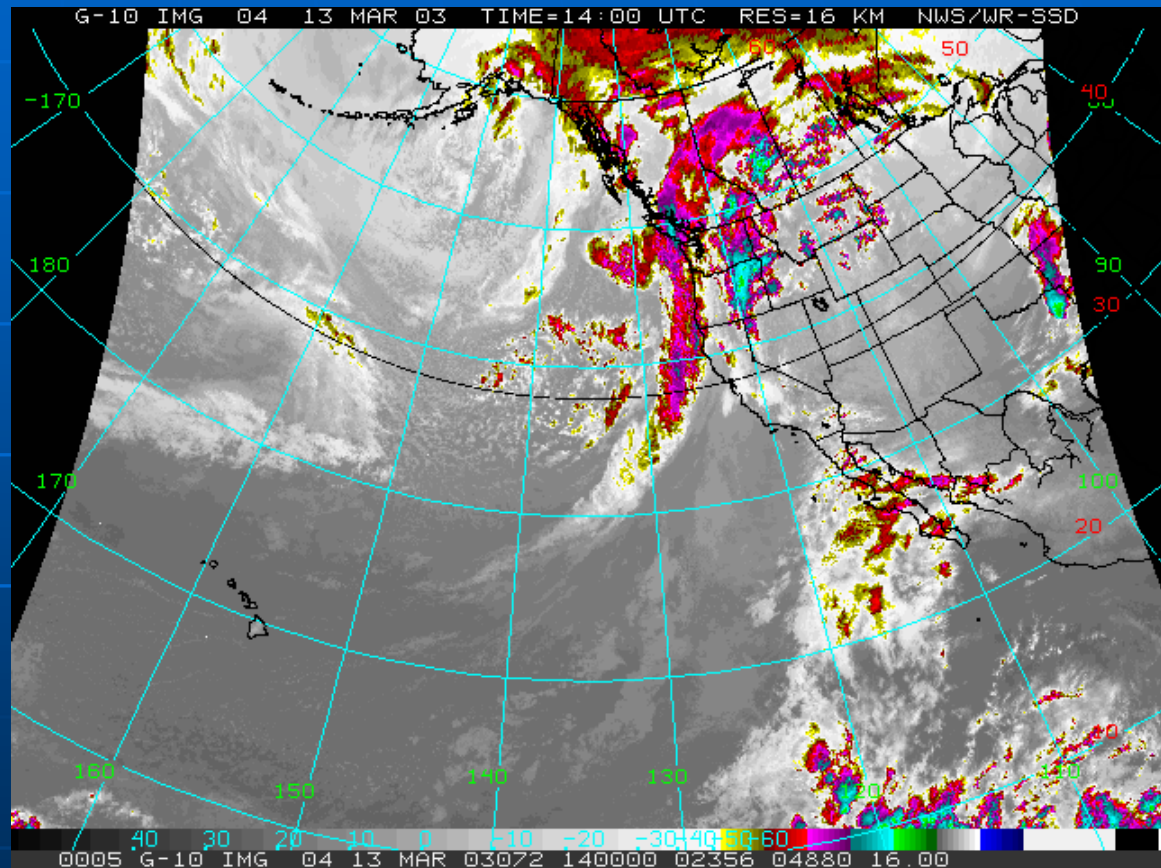
# Current El Nino Anomalies

- El Nino continues to weaken
- Expected to return to neutral conditions by this summer
- Warmer than normal area is shrinking considerably



# Short Term Weather Forecast

- Today continues record warmth
- Tomorrow cooling slightly with high clouds
- Sunday through Tuesday bringing major spring storm
- Amounts from storm may exceed 1-3 ft. statewide
- Flow from storm will progress from south to westerly
- Snow levels near 7500 ft. and lowering as storm progresses
- Currently, Anchorage is experiencing -3 f temps with winds gusting near 50 mph
- Cold air from Canada and Alaska will drop down into the pacific



# Download This Presentation

[http://www.wrh.noaa.gov/Saltlake/river/presentations/watersupply\\_march03](http://www.wrh.noaa.gov/Saltlake/river/presentations/watersupply_march03)

## Additional Information

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